Color in UX

By Scott Lenger Sr. Designer/Developer @ BOG

Why Color?

Because too often the job of "User Experience" is focused on wireframes and limited to getting the user from A -> B, without any consideration of emotional engagement or feelings.



EMERGENCY SHUT-OFF







The More You Know!

Behavioral Science

https://www.nickkolenda.com/color-psychology/

Regular Science https://earthobservatory.nasa.gov/blogs/elegantfigures/2013/08/05/subtleties-of-color-part-1-of-6/

History of working with color in print and on screen http://theresamarierhyne.com/Theresa-Marie Rhynes Viewpoint/Applying Color Chapter.html

Nonlinear color, datavisulation, chroma.js https://www.vis4.net/blog/2013/09/mastering-multi-hued-color-scales/

UX Definition, per usability.gov

User experience (UX) focuses on having a deep understanding of users, what they need, what they value, their abilities, and also their limitations. It also takes into account the **business goals** and objectives of the group managing the project. UX best practices promote improving the quality of the user's interaction with and **perceptions** of your product and any related services.

power energy passion love aggression danger

optimism
hope
cherful
warmth
happiness
positivity

trust security order cleanliness strenght reliability

energy balance warmth creativity cherfulness enthusiasm nature
health
good luck
fertility
finances
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May 13, 2019



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Photo Gallery

Global Maritime Exposition





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The most colorful way to the Internet.



What business goals are driving your aesthetics?

Friendly	Approachable
Scholarly	Detailed
Adventurous	Old
Unique	Upbeat
Sleek	Smart
Fun	Caring
Impressive	Intense
Reliable	Revolutionary
Classic	Sophisticated
Accessible (Cons	umer)
Humanistic	Heart

Professional
Contemporary
Industrial
Hip
Business-like
Cutting Edge
Modern (clean
Clever
Strong
Analytical

Experienced
Fashionable
Innovative
Stimulating
Busy
Efficient
No-nonsense
Inspiring
Trustworthy
Archaic

Conservative
Stylish
Formal
Historic
Calm
Familiar
Playful
Cheerful
Unconventiona
Influential

Exclusive	Novel
Secure	High-tech
Organic	Appealing
Bold	Bright
Capable	Friendly
Functional	Honorable
Powerful	Quirky
Collaborative	Fresh
Versatile	
Forward-thinking	Authoritative

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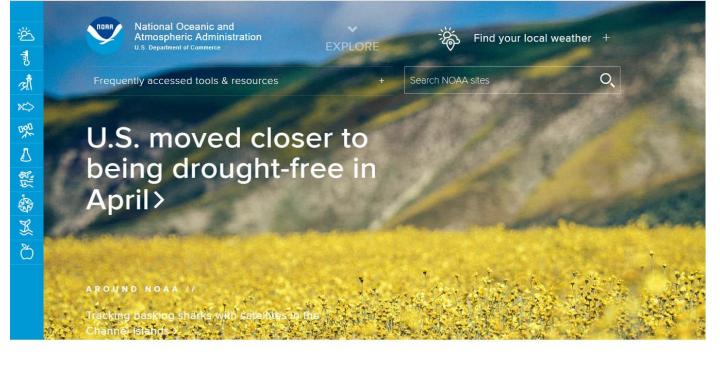
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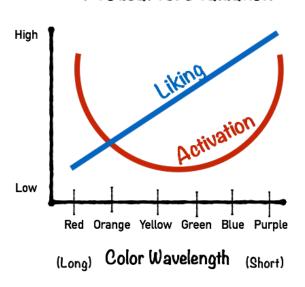
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The ideal college experience, two

Color has meaning culturally, but also by how it is perceived

Arousal vs. Evaluation



The Hue and Intensity of a color affect the users reaction

			HUE						VALUE		CHROMA				
		Red	Orange	Yellow	Green	Blue	Purple	Pink	Brown	Black	White	Low	High	Low	High
	Competence					√				√					√
BRAND TRAITS	Excitement	√	√	√								√			√
	Ruggedness				√				√			√			√
	Sincerity			√				√			✓		√	1	
	Sophisticated						√				√		√		

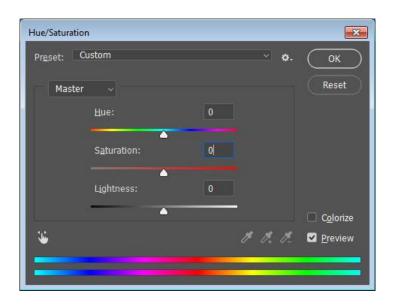
https://www.nickkolenda.com/wp-content/uploads/2015/10/color-brand-personality.png







The Hue and Intensity of a color affect the users reaction



The American Spirit, Trust & Responsibility

The intent of the palette is to convey a warm and open American spirit, with bright saturated tints of blue and red, grounded in sophisticated deeper shades of cool blues and grays. These colors ... should leave users feeling welcomed and in good hands.

Blue is commonly associated with trust, confidence, and sincerity; it is also used to represent calmness and responsibility.



UX is not about testing shades of blue

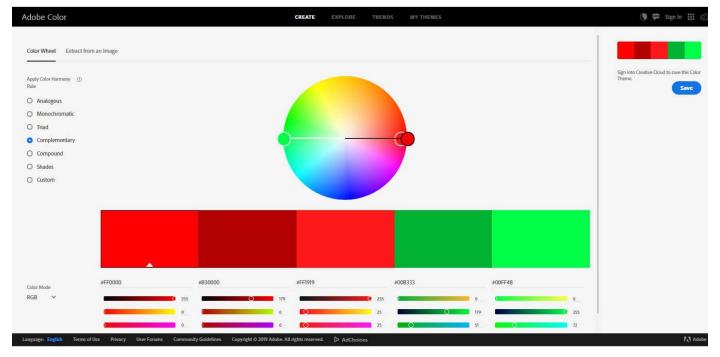
Yes, it's true that a team at Google couldn't decide between two blues, so they're testing 41 shades between each blue to see which one performs better. ... I can't operate in an environment like that. I've grown tired of debating such minuscule design decisions. There are more exciting design problems in this world to tackle. ~ Doug Bowman, @stop

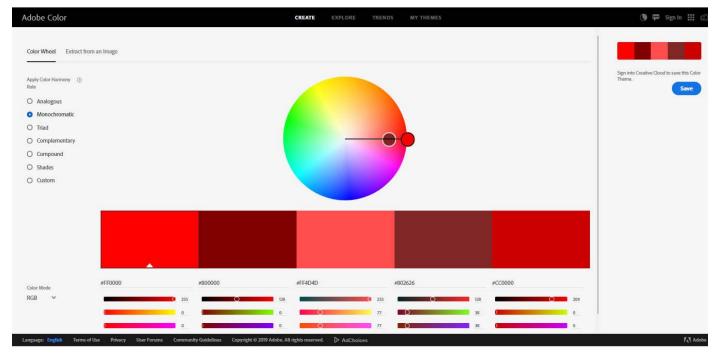


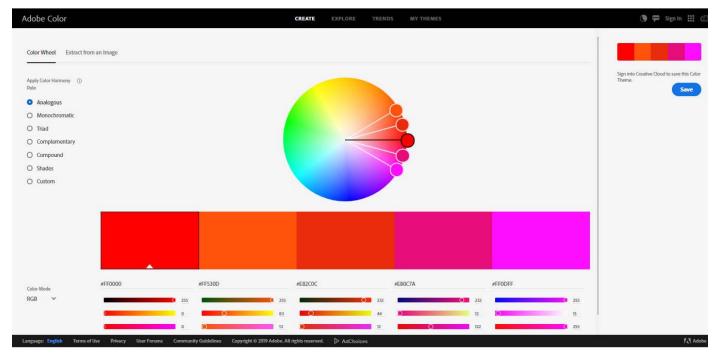
https://stopdesign.com/archive/2009/03/20/goodbye-google.html

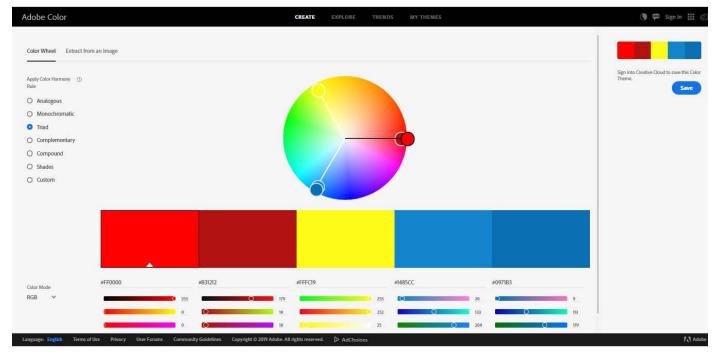
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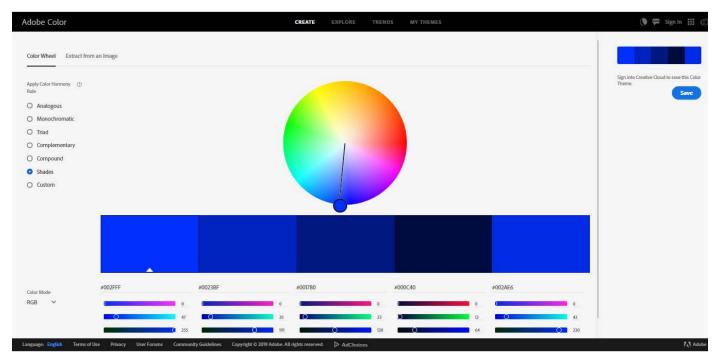
https://www.nytimes.com/2009/03/01/business/01marissa.html

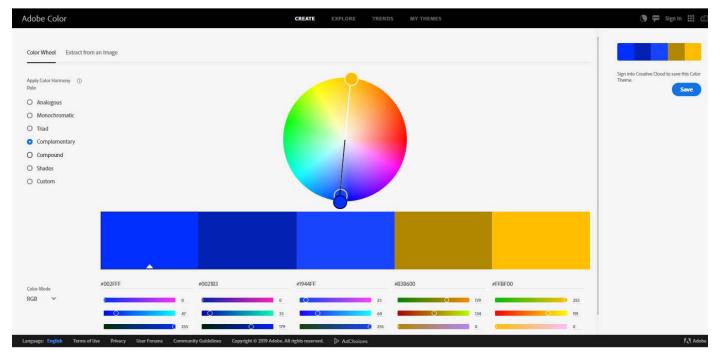


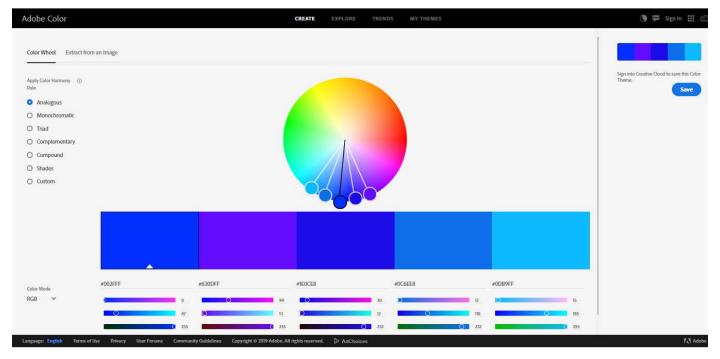














Cheating Color

Color is fluid. It interacts and changes based on its surroundings. Some colors can appear lighter or darker based on what color they appear on or next to.

On a light background, when you have a large element of a light color, a small element of the *same color* will appear lighter.

Conversely, when you have a large element of a dark color, a small element of the *same color* will appear darker.

https://24ways.org/2006/cheating-color/, @jasonsantamaria



Cheating Color



Cheating Color

Working with Backgrounds and Neutral space

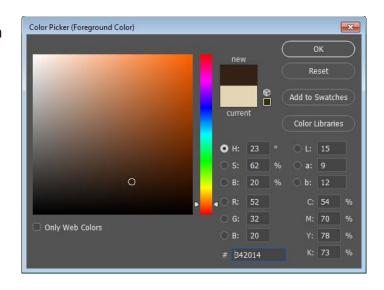


VS.



Warm it up!!

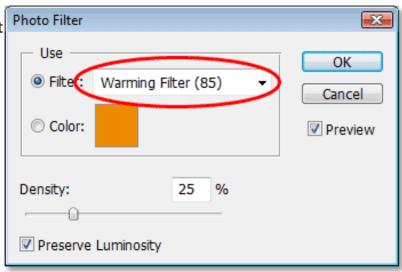
Consider alternatives to full black text on white background. A dark brown can bring subsconcious warmth to your text.



Warm it up!!

Color correct and warm up those phot before publishing!

In Photoshop: Image > Adjust > Photo Filter





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	Conservative					
Exclusive		Novel		Scholarly		Detailed
	Contemporary F	ashionable		Stylish		Secure
	High-tech		Adventurous			
Old	Industria		Innovative		Formal	
	Organic					
Appealing		Unique		Upbeat		Hip
	Stimulating	Historic	Bold		Bright	
	Sleek		Smart			
Business-like		Busy		Calm		Capable
	Friendly	Fun		Caring		Cutting Edge
	Efficient		Familiar	-		
Functional		Honorable		Impressive		Intense
	Modern (clean)					
No-nonsense		Playful		Powerful		Quirky
	Reliable					
Revolutionary		Clever	Inspiring		Cheerful	
	Collaborative	Fresh			Classic	
	Sophisticated		Strong		Trustworthy	
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